Kaden Rauch

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EDUCATION

James Madison University, Harrisonburg VA   Expected Graduation: May 2025

Bachelor of Science in Computer Science

- Minor in General Business
- Relevant Coursework: Algorithms and Data Structures, Software Engineering, Systems I & II, Discrete Structures I & II, Calculus, Statistics, Computer Info Systems, Applied Algorithms.
- GPA: 3.3/4.0

PROJECTS

Financial Management Web App   December 2023 to Present

- Developing a web application to assist users in managing finances. The application includes functionalities such as note-taking, expense tracking, a budgeting tool, and a four-function calculator.
- Using HTML/CSS/Bootstrap to style frontend templates.
- Utilizing Python (Flask Framework) to build backend server and database interactions.

Command-Line Shell Implementation in C   Fall 2023

- Developed a custom command-line shell modeled after bash shell, with a focus on supporting utility programs, Shell built-ins, and additional features for interactive batch processing
- Technologies Used: C programming language, POSIX APIs

JMDb ("James Madison Database")   Fall 2022

- Performed Scrum agile project management in a team to create a replica of the website "IMDb".
- Developed front-end code using Java Swing, back-end code using Java, and utilized data from an API.
- Practiced effective collaboration and version control using Git

ACTIVITIES

Cyber Defense Club   October 2022 to Present

- Participates in weekly meetings, demos, and competitions that strengthen skills and knowledge in cybersecurity.
- Competed on the cyber defense team against colleges across the country in   September 2023
the *Patriot Capture the Flag Competition* hosted by George Mason University.

Brotherhood Chair   Fall 2023 to Spring 2024

"Phi Gamma Nu – Epsilon Iota Chapter" Professional Development Organization   Fall 2022 to Present

- Oversees a committee, creates event budgets, and organizes events for over 130 active members.
- In this leadership position I strive to build a stronger sense of unity within Phi Gamma Nu

SKILLS

Proficient: Java, C, Python.   **Basic Understanding:** Ruby, JavaScript, HTML, CSS.

Tools: Git, Visual Studio Code, Linux, MacOS, Terminal, GitHub, IntelliJ, XCode, Eclipse, Bootstrap, CAD.

WORK HISTORY

Golf Department Employee, Fredericksburg Country Club   May 2022 to Present

- Performs retail and inventory responsibilities.
- Works with a team to coordinate tournaments that have over 100 participating members.
- Carries out customer service and member relation tasks.